

DEPARTMENT OF TRANSPORTATION**DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003103**Date Inspected:** 12-Mar-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1900**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island**Location:** Changxing Dao, Shanghai**Quality Control Contact:** Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coatings Inspection**Bridge No:** 34-0006**Component:** Sub-Assemblies (OBG) and Sub-Assemblies**Bid Item:** 77,78,79**Lot No:****Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE III coating inspector, Mr. Kenneth W. Cason Jr. arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections is to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA NACE III coating inspector observed the following:

Sub-Assemblies (OBG)

Anchor Bearing Blocks (20 Each), NOI Number 5938: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Anchor Bearing Blocks (20 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (8 Each), NOI Number 5939: In preparation for finish coat Interfine 979 Polysiloxane installation and in accordance with project specifications and SSPC-SP 1, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Crash Barriers (8 Each). No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Crash Barriers (4 Each), NOI Number 5939: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Crash Barriers (4 Each) for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

SOURCE INSPECTION REPORT

(Continued Page 2 of 3)

Bike Path Panels BK5A-003 and BK4C-024, NOI Number 5940: In preparation for finish coat Interfine 979 Polysiloxane installation and in accordance with project specifications and SSPC-SP 1, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Bike Path Panels BK5A-003 and BK4C-024. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Splices (29 Each), L-Splices (5 Each), Shim Plates (31 Each), Anchor Bearing Blocks (47 Each) and Assembly Plate SA8008, NOI Number 5941: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Splices (29 Each), L-Splices (5 Each), Shim Plates (31 Each), Anchor Bearing Blocks (47 Each) and Assembly Plate SA8008. Test results recorded x3 surface profile readings of 78 to 84 μm . No discrepancies noted on Splices (29 Each), L-Splices (5 Each), Shim Plates (31 Each) and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point. ABF Quality Assurance personnel instructed ZPMC to re-work and re-submit for inspection on Anchor Bearing Blocks (47 Each) and Assembly Plate SA8008 due to required additional grinding and blasting.

Anchor Bearing Blocks (47 Each) and Assembly Plate SA8008, NOI Number 5941: In preparation for undercoat installation and in accordance with project specifications, this inspector along with ABF and ZPMC Quality Assurance/Control representatives observed the surface preparation on Anchor Bearing Blocks (47 Each) and Assembly Plate SA8008. Test results recorded x3 surface profile readings of 78 to 84 μm . No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

OBG Assembly Plates DP3160, DP3161 and DP3167, NOI Number 5944: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on OBG Assembly Plates DP3160, DP3161 and DP3167 in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Anchor Bearing Blocks (39 Each), NOI Number 5945: In accordance with project specifications, ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Anchor Bearing Blocks (39 Each) in preparation for blasting operations. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Sub-Assemblies (Tower)

Tower Head Diaphragms ESD1-DPSA6-2, ESD1-DPSA6-10, ESD1-DPSA6-13, WSD1-DP6A-4, WSD1-DP6A-8 and WSD1-DP6A-12, NOI Number T2016: In accordance with project specifications ABF and ZPMC Quality Assurance/Control representatives observed the surface condition on Tower Head Diaphragms ESD1-DPSA6-2, ESD1-DPSA6-10, ESD1-DPSA6-13, WSD1-DP6A-4, WSD1-DP6A-8 and WSD1-DP6A-12 for dry film thickness (DFT) compliance. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point.

Office

SOURCE INSPECTION REPORT

(Continued Page 3 of 3)

This Quality Assurance Inspector (QA) reviewed, recorded and entered data from notice of inspection requests for the purpose of tracking and compliance to contract documents.

Note: Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact , who represents the Office of Structural Materials for your project.

Inspected By:	Cason,Kenneth	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer
